

# LH-F064 LED COLONY

(laser strobe LED flower 3 in 1)

## User Manual



# LEAHUA

广州丽华舞台灯光音响有限公司

GZ LEAHUA LIGHT LIMITED

This manual contains important information.  
Please read before operating fixture.

Add: A1 Building The Sixth Industrial Zone Zhu Gang Road Hongxing Shijing Town Baiyun  
District Guangzhou China.

Tel: +86 020-66292177 Fax: +86 020-66292177

# 1 SECURITY TIPS

**WARNING!!! To reduce the risk of fire, electric shock, or injury to persons, follow these important safety instructions:**

- non-professionals, not to disassemble the light arbitrarily and lighting accessories inside.
- rated voltage range: AC110V-120V/60Hz or AC200V-240V / 50HZ (to be selected).
- not beam irradiate the flammable materials, flammable materials and the lamp should be maintained at least 1M over the distance.
- lamps used in ambient temperature: -15 °C -40 °C, the highest temperature of the surface of the lamp: 60 °C.
- to keep away from the liquid substance and humid environment.
- before using the lights must ensure the good grounding, can not install charging and remove any parts.
- the installation of lamps, must be fixed screw fasteners with additional security cable and regular inspection.
- lamps consecutive working hours is not recommended more than 10 hours.
- should stop using the lights in time when happens unusual conditions during the process
- lamp parts of the rotation, external accessories and paste parts should be regular inspected, such as the emergence of loose and rock, should be reinforced in a timely manner to prevent the accident.
- lamps adopt strong winds to refrigerate, it is easy to accumulate the dust, so you have to clean it weekly especially the cooling air opening, otherwise the dust will plug leading to poor light

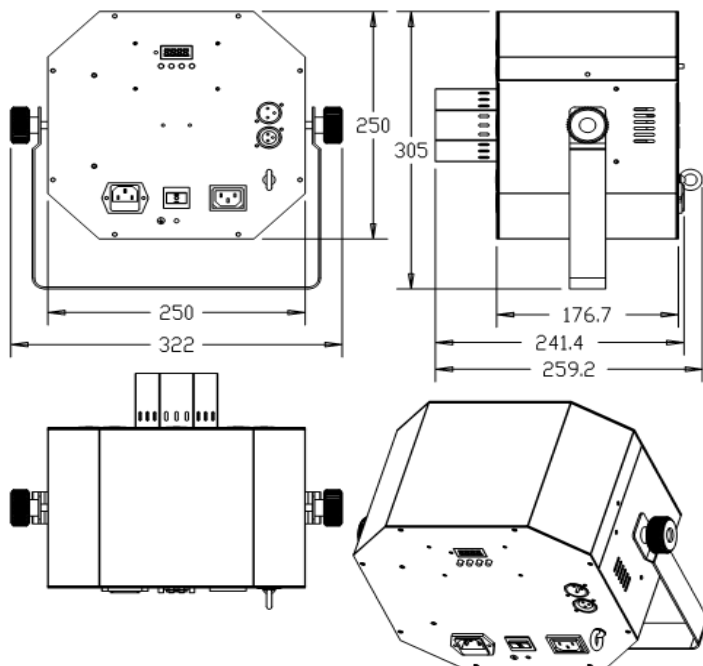
## 2 TECHNOLOGY REFERENCE

- AC 100-240V 50/60Hz
- Power consumption: 80W
- LED Source : 3pcs 10W 5 IN 1 RGBWA LED  
8pcs 3W WHITE led  
100MW red laser + 100mw green laser
- separate strobe Rate: 0 to 30 Hz
- Control mode : DMX 512, master/slave, auto, sound active with adjustable sound sensitivity
- Channel : 3/5/8 DMX channel modes
- Displaying off 5 seconds automatically after finishing sets of the fixture
- Beam Angle (strobe): 15°
- Field Angle (strobe): 30°
- Coverage Angle (laser): 105°
- Coverage Angle (colony): 70°
- Illuminance (strobe): 900 lux @ 2 m
- Environmental temperature: -20°C to 40°C
- Hanging brackets included
- Net weight: 4.58Kgs
- Dimensions:322\*305\*241mm(L\*W\*D)

### 3 Board Instruction

Main menu	Sub menu
1.A001	001-512 (DMX ADDRESS SETTING)
2.CH11	3/5/8CH (DMX CHANNEL MODES)
3.SH01	ON/OFF (PRESTE SHOWS)
4.SP	01-10 (PRESET SHOWS RUNNING SPEED ADJUSTMENTS)
5.SnoF	ON/OFF (SOUND ACTIVE)
6.Sn01	01-10 (SOUND ACTIVITY SENSITIVITY ADJUSTMENTS)
7.SLoF	ON/OFF (SLAVE)
8.rdoF	ON/OFF (DISPLAYING REVERSED)

### Dimensions(in mm)



If the fine-wire fuse of the device fuses, only replace the fuse by a fuse of same type and rating.

Before replacing the fuse, unplug mains lead.

Procedure:

Step 1: Open the fuse holder on the rear panel with a fitting screwdriver.

Step 2: Remove the old fuse from the fuse holder.

Step 3: Install the new fuse in the fuse holder.

Step 4: Replace the fuse holder in the housing.

## 4 DMX CHANNEL SHEET

CH3	CH5	CH8	Vaule	Functions
1		1		1
			0-31	Stop
			32-63	Red
			64-95	Green
			96-127	Red+ green
			128-191	Preset shows running from slow to fast
			192-255	Sound active
2		2	<b>0-255</b>	Laser strobe
3		3		Laser effect wheel rotating
			0-2	Stop
			3-127	Rotating clockwise
			128-255	Counter rotating clockwise
	1	4		LED patterns
			0-2	Stop
			3-10	Red
			11-18	Green
			19-26	Blue
			27-34	White

	<b>1</b>	<b>4</b>	35-42	Amber
			43-50	RG
			51-58	RB
			59-63	GB
			64-71	RW
			72-79	GW
			80-87	BW
			88-95	RGB
			96-103	RGW
			104-111	GBW
			112-119	RBW
			120-127	RGBWA
			128-191	Preset shows running from slow to fast
			192-255	Sound active
	<b>2</b>	<b>5</b>	<b>0-255</b>	Strobe
	<b>3</b>	<b>6</b>		Reflector dishes rotating
			0-2	Stop
			3-127	Rotating clockwise
			128-255	Counter rotating clockwise
	<b>4</b>	<b>7</b>		White led effects
			0-2	Stop
			3-20	Led full output
			21-26	Pattern 1
			27-32	Pattern 2
			33-38	Pattern 3
			39-44	Pattern 4
			45-50	Pattern 5
			51-56	Pattern 6
			57-62	Pattern 7
			63-68	Pattern 8
			69-74	Pattern 9

	<b>4</b>	<b>7</b>	75-80	Pattern 10
			81-86	Pattern 11
			87-92	Pattern 12
			93-98	Pattern 13
			99-104	Pattern 14
			105-110	Pattern 15
			111-116	Pattern 16
			117-122	Pattern 17
			123-127	Pattern 18
			128-191	Preset shows running from slow to fast
	<b>5</b>	<b>8</b>	<b>0-255</b>	White led strobe

## 5 DIFFICULTY RESOLUTION

The following is a list of problems and resolution, and other malfunction preparing work should be professionally qualified staff to deal with.

### 1. Bulb not working

- Check whether approaching the service life of light bulbs, then change it
- Check whether bulbs circuitry leak, loss or connect poorly

### 2. Beam appears bleak

- The bulbs maybe approach the service life, then change it, or the optical components are unclean.
- Bulbs have accumulation of dust, so the bulbs and other parts inside the lamp should be cleaned and maintained in regular

period.

3. Computer lamp work intermittently

- a) Check whether the fan process naturally and become dirty
- b) Check inner temperature-response control plug is off
- c) Check whether the circuitry is good

4. The computer lamp not controlled by controller during lighting

- a) Check numeral starting address and the connection of communication control circuit
- b) The corresponding channel button of controller is open or not
- c) Check whether the fuse on power supply input jack is broken off

## **6 AFTER SERVICE**

- 1. Our company offer technical consultation to customers for ever.
- 2. If the machine is wrong and need repairmen, please truthfully fill in the related content and feedback us the problems timely, as well as we have to improve the product.
- 3. In addition to the lamp, also matching accessories are as follows:  
**accessories:** Power line 1 piece      **Optional parts:** (customers)





## Warranty Card

Name	Model	Production	Purchase
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End User
Company Name:
Add:

Sale Store	
Link man:	
Tel:	Stamp

Description: These must be truthfully fill, seal by the end-user and point-of-sale, or else the warranty will not work (warranty period and terms, see the following)

warranty period: one year since purchase warranty terms: 1、If fail when using the product in normal state, you can made under the provisions of the warranty, show the warranty card and purchase bills(copy), and enjoy free maintenance service in a specific service center or the manufacturer.

2. The following will be the implementation of paid service:

- (1)Without the effective warranty card
- (2)There's blank, alter and no point-of-sale name
- (3)Fail caused by unresistance
- (4)Fail caused by transportation or unloading
- (5)Fail caused by not operate by manual
- (6)Fail caused by disassemble without unauthorized
- (7)Fail caused by using the unauthorized control system

### Note:

Based on our company continue to improve the product, the statement containing data may have changed, and will not notice the change any more. Company retains its right to change specifications related when product is improved. Thanks for your understanding.